

Sheet 1 of 14

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. B0175-US02	SERIAL NO. 10/648,536
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT Lockerbie et al	
(Use several sheets if necessary)	FILING DATE August 25, 2003	GROUP <del>1745</del> 1651

U.S. PATENT DOCUMENTS							
EXAMINE R INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
SH		2002/0022215	2/21/02	Sobsey et al			
		Re 32874 of 4474153	02/21/89 05/08/84	Rock et al.			
		683690	10/1901	Johnson			
		1733239	10/29	Roberts			
		1961700	6/5/34	Moehler			
		2056614	10/06/36	Moehler			
		2212230	08/20/40	Goldmann			
		2212230	8/20/40	Goldman			
		2212330	8/20/40	Thomas			
		2340890	2/8/44	Lang et al			
		2417143	3/11/47	Tishler et al			
		2786014	3/1957	Tullis			
		3057865	10/9/62	Bardos et al			
		3456053	07/15/69	Crawford			
		3629071	12/21/71	Sekhar			
		3683177	8/172	Veloz			
		3683183	8/72	Vizzini et al			
		3705985	12/12/72	Manning et al			
		3776694	12/04/73	Leittl			
		3852032	12/03/74	Urbach			
		3864081	2/75	Logrippo			
		3874384	4/1/75	Deindoerfer et al			
		3894236	7/75	Hazlerigg			
		3926556	12/16/75	Boucher			
		3927325	12/75	Hungate et al			
		4061537	12/1977	Seiler et al.			
		4112070	9/1978	Harmening			
		4124598	11/07/78	Hearst et al.			
		4139348	2/13/79	Swartz			
		4169204	09/25/79	Hearst et al.			
		4173631	11/1979	Graham et al			
		4181128	1/1/80	Swartz			
		4196281	04/01/80	Hearst et al.			
		4264601	4/1981	Trachewsky			
SH		4267269	5/12/81	Grode et al.			

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Sheet 2 of 14

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT: Lockerbie et al	
(Use several sheets if necessary)	FILING DATE August 25, 2003	GROUP 1743

U.S. PATENT DOCUMENTS						
EXAMINE R INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
SH	4312883	01/26/82	Baccichetti et al.			
	4321918	03/30/82	Clark II			
	4321919	03/30/82	Edelson			
	4336809	06/29/82	Clark			
	4381004	4/26/83	Babb			
	4390619	6/28/83	Harmening-Pittiglio			
	4398031	08/09/83	Bender et al.			
	4398906	08/16/83	Edelson			
	4402318	09/06/83	Swartz			
	4407282	10/83	Swartz			
	4421987	12/20/83	Herold			
	4424201	1/03/84	Valinsky et al			
	4428744	01/31/84	Edelson			
	4432750	2/21/84	Estep			
	4456512	06/26/84	Bieler et al.			
	4457918	7/84	Holick et al			
	4464166	08/07/84	Edelson			
	4464166	08/07/84	Edelson			
	4467206	8/21/84	Taylor et al			
	4474153	10/1984	Hanamoto			
	4481167	11/06/84	Ginter et al			
	4493981	1/15/85	Payne			
	4568328	02/04/86	King			
	4572899	2/25/86	Walker et al.			
	4573960	03/40/86	Goss			
	4573961	03/40/86	King			
	4573962	3/4/86	Troutner			
	4576143	03/18/86	Clark III			
	4578056	03/25/86	King et al.			
	4585735	4/29/86	Meryman et al.			
	4596547	6/24/86	Troutner			
	4604356	08/05/86	Blake II			
	4608255	8/86	Kahn et al			
	4612007	09/16/86	Edelson			
	4613322	09/23/86	Edelson			
	4614190	09/30/86	Stanco et al.			
SH	4623328	111886	Hartranft			

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U.S. PATENT DOCUMENTS							
EXAMINE R INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
SH	4626431	12/2/86	Batchelor et al.				
	4642171	2/10/87	Sekine et al				
	4645649	2/24/87	Nagao				
	4648992	3/10/87	Graf et al				
	4649151	03/10/87	Dougherty et al.				
	4651739	3/87	Oseroff et al				
	4675185	6/23/87	Kandler et al.				
	4683195	7/28/87	Mullis et al				
	4683202	7/28/87	Mullis				
	4683889	08/04/87	Edelson				
	4684521	08/04/87	Edelson				
	4693981	09/15/87	Wieschahn et al.				
	4695460	09/22/87	Holme				
	4695460	9/1987	Holme				
	4704352	11/3/87	Miripol et al.				
	4708715	11/24/87	Troutner et al				
	4726949	02/23/88	Miripol et al.				
	4727027	02/23/88	Wieschahn et al.				
	4737140	04/12/88	Lee et al.				
	4748120	05/31/88	Wieschahn				
	4769318	9/9/88	Hamasaki et al.				
	4775625	10/04/88	Sieber				
	4788038	11/29/88	Matsunaga				
	4828976	5/9/89	Murphy				
	4831268	05/16/89	Fisch et al.				
	4833165	05/23/89	Louderback				
	4861704	08/29/89	Reemtsma et al.				
	4866282	09/12/89	Miripol et al.				
	4878891	11/07/89	Judy et al.				
	4880788	11/14/89	Moake et al				
	4915683	04/10/90	Sieber				
	4921473	05/01/90	Lee et al.				
	4930516	6/90	Alfano et al				
	4946438	8/7/90	Reemtsma et al				
	4948980	08/14/90	Wedekamp				
	4950665	08/21/90	Floyd				
	SH	4950665	08/21/90	Floyd			

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Sheet 4 of 14

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U.S. PATENT DOCUMENTS							
EXAMINE R INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
SH		4952812	08/28/90	Miripol et al.			
		4960408	10/02/90	Klainer et al.			
		4961928	10/09/90	Holme et al.			
		4978688	12/18/90	Louderback			
		4986628	1/91	Lozhenko et al			
		4992363	02/12/91	Murphy			
		4994367	02/19/91	Bode et al.			
		4998931	03/12/91	Slichter et al.			
		4999375	03/12/91	Bachynsky et al.			
		5011695	04/30/91	Dichtelmuller et al.			
		5017338	05/21/91	Surgenor			
		5020995	6/4/91	Levy			
		5030200	07/09/91	Judy et al.			
		5039483	08/13/91	Sieber et al.			
		5041078	08/20/91	Matthews et al.			
		5089146	02/18/92	Carmen et al.			
		5089384	2/18/92	Hale			
		5092773	3/3/92	Levy			
		5114670	5/92	Duffey			
		5114957	05/19/92	Hendler et al.			
		5120649	06/09/92	Horowitz et al.			
		5123902	6/92	Muller et al			
		5133932	07/28/93	Gunn et al.			
		5147776	09/15/92	Koerner Jr.			
		5149718	9/22/92	Meruelo et al.			
		5150705	09/29/92	Stinson			
		5166528	11/24/92	LeVay			
		5184020	02/02/93	Hearst et al.			
		5185532	2/9/93	Zabsky et al			
		5192264	3/93	Fossel			
		5211960	5/1993	Babior			
		5216251	6/1/93	Maschke			
		5229081	7/20/93	Suda			
		5232844	08/03/93	Horowitz et al.			
		5234808	08/10/93	Murphy			
		5236716	08/17/93	Carmen et al.			
SH		5247178	09/21/93	Ury et al.			

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Sheet 5 of 14

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U.S. PATENT DOCUMENTS							
EXAMINE R INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
SH	5248506	09/28/93	Holme et al.				
	5250303	10/5/93	Meryman et al.				
	5258124	11/2/93	Bolton et al				
	5269946	12/14/93	Goldhaber et al				
	5273713	12/28/93	Levy				
	5281392	1/1994	Rubinstein				
	5288605	02/22/94	Lin et al.				
	5288647	2/22/94	Zimlich Jr. et al				
	5290221	03/01/94	Wolf Jr. et al.				
	5300019	04/05/94	Bischof et al.				
	5304113	04/19/94	Sieber et al.				
	5318023	6/94	Vari et al				
	5340716	08/23/94	Ullman et al.				
	5342752	8/30/94	Platz et al.				
	5344752	09/06/94	Murphy				
	5344918	9/6/94	Dazey et al				
	5358844	10/25/94	Stossel et al.				
	5360734	11/01/94	Chapman et al.				
	5366440	11/22/94	Fossel				
	5372929	12/13/94	Cimino				
	5376524	12/27/94	Murphy et al.				
	5378601	01/03/95	Gepner-Puszkun				
	5399719	3/21/95	Wollowitz et al				
	5418130	05/23/95	Platz et al.				
	5419759	5/95	Naficy				
	5427695	6/27/95	Brown				
	5433738	07/18/95	Stinson				
	5459030	10/17/95	Lin et al.				
	5466573	11/14/95	Murphy et al.				
	5474891	12/12/95	Murphy				
	5482828	01/09/96	Lin et al.				
	5487971	01/30/96	Holme et al.				
	5494590	2/27/96	Smith et al.				
	5503721	04/02/96	Hearst et al.				
✓	5512187	4/1996	Buchholz et al.				
	5516629	05/14/96	Park et al.				
SH	5527704	06/18/96	Wolf Jr. et al.				

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U.S. PATENT DOCUMENTS							
EXAMINE R INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
SH		5536238	07/16/96	Bischof			
		5545516	08/13/96	Wagner			
		5547635	8/96	Duthie Jr.			
		5550111	8/96	Suhadolnik et al			
		5556958	09/17/96	Carroll et al.			
		5556993	09/17/96	Wollowitz et al.			
		5557098	9/17/96	D'Silva			
		5559250	9/24/96	Cook et al			
		5569579	10/29/96	Murphy			
		5571666	11/05/96	Floyd et al.			
		5578736	11/26/96	Wollowitz et al			
		5585503	12/17/96	Wollowitz et al			
		5587490	12/24/96	Goodrich Jr. et al.			
		5593823	01/14/97	Wollowitz et al.			
		5597722	01/28/97	Chapman et al.			
		5607924	03/04/97	Magda et al.			
		5618662	4/8/97	Lin et al			
		5622867	04/22/97	Livesey et al.			
		5624435	4/29/97	Furumoto et al			
		5624794	4/29/97	Bitensky et al.			
		5625079	4/29/97	Wollowitz et al			
		5628727	05/13/97	Hakky et al.			
		5639376	06/17/97	Lee et al.			
		5639382	6/17/97	Brown			
		5643334	07/01/97	Eckhouse et al.			
		5652096	7/29/97	Cimino			
		5653887	08/05/97	Wahl et al.			
		5654443	8/5/97	Wollowitz et al			
		5656154	8/1997	Meryman			
		5656498	8/1997	Iijima et al.			
		5658530	08/19/97	Dunn			
		5658722	08/19/97	Margolis-Nunno et al.			
		5683661	11/04/97	Hearst et al.			
		5683768	11/04/97	Shang et al			
		5686436	11/11/97	Van Dyke			
		5688475	11/97	Duthie Jr.			
SH		5691132	11/25/97	Wollowitz et al.			

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Sheet 7 of 14

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U.S. PATENT DOCUMENTS							
EXAMINE R INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
SH		5698524	12/16/97	Mach et al			
		5698677	12/16/97	Eibl et al			
		5702684	12/30/97	McCoy et al			
		5707401	1/98	Talmore			
		5709653	1/98	Leone			
		5709991	1/20/98	Lin et al			
		5709992	1/1998	Rubinstein			
		5712085	1/27/98	Wollowitz et al			
		5712086	01/27/98	Horowitz et al.			
		5714328	2/98	Magda et al			
		5736313	4/7/98	Spargo et al.			
		5739013	4/98	Budowsky et al			
		5753428	5/19/98	Yuasa et al.			
		5756553	5/26/98	Iguchi et al			
		5769839	6/23/98	Carmen et al.			
		5772960	6/30/98	Ito et al			
		5783093	7/21/98	Holme			
		5789150	08/04/98	Margolis-Nunno et al.			
		5789151	8/4/98	Bitensky et al.			
		5789601	08/04/98	Park et al.			
		5798238	08/25/98	Goodrich Jr. et al.			
		5798523	08/25/98	Villeneuve et al.			
		5817519	10/6/98	Zelmanovic et al			
		5827644	10/27/98	Floyd et al.			
		5834198	11/10/98	Famulok et al.			
		5840252	11/24/98	Gierzych			
		5843459	12/01/98	Wang et al.			
		5846961	12/08/98	Van Dyke			
		5854967	12/29/98	Hearst et al.			
		5866074	02/02/99	Chapman et al.			
		5869701	02/09/99	Park et al.			
		5871900	02/16/99	Wollowitz et al.			
		5876676	03/02/99	Stossel et al.			
		5899874	5/4/99	Jonsson			
		5906915	05/25/99	Payrat et al.			
		5908742	06/01/99	Lin et al.			
SH		5919614	7/1999	Livesey et al.			

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U.S. PATENT DOCUMENTS							
EXAMINE R INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
SH		5922278	07/13/99	Chapman et al.			
		5935092	8/10/99	Sun et al.			
		5955256	9/21/99	Sowemimo-Coker et al			
		5955257	9/21/99	Burger et al.			
		5965349	10/12/99	Lin et al			
		5972593		Wollowitz et al.			
		5976884	11/02/99	Chapman et al.			
		5981163	11/9/99	Horowitz et al			
		6004741	12/21/99	Wollowitz et al			
		6004742	12/21/99	Wollowitz et al			
		6017691	1/25/00	Wollowitz et al			
		6020333	02/01/00	Berque			
		6060233	5/2000	Wiggins			
		6063624	5/2000	Kandler et al.			
		6077659	6/20/00	Ben-Hur et al			
		6087141	7/2000	Margolis-Nunno et al			
		6093725	7/25/00	Cook et al			
		6106773	8/22/00	Miekka et al			
		6133460	10/17/00	Wollowitz et al			
		6143490	11/7/00	Cook et al			
		6171777	1/9/01	Cook et al			
		6177441	1/23/01	Cook et al			
		6194139	2/27/01	Wollowitz et al			
		6197207	3/6/01	Chapman et al			
		6214534	4/10/01	Horowitz et al			
		6218100	4/17/01	Wollowitz et al			
		6258319	7/10/01	Hearst et al			
		6258577	7/10/01	Goodrich et al			
		6268120	7/31/01	Platz et al			
		6270952	8/7/01	Cook et al			
		6277337	8/21/01	Goodrich et al			
		6410219	6/25/02	Cook et al			
		6413714	7/2/02	Margolis-Nunno et al			
		6420570	7/16/02	Wollowitz et al			
		6433343	8/13/02	Cimino et al			
SH		6455286	9/24/02	Wollowitz et al			

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Sheet 9 of 14

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U.S. PATENT DOCUMENTS						
EXAMINER R INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
SH	6461567	10/8/02	Hearst et al			
	6469052	10/22/02	Wollowitz et al			
	6503699	1/7/03	Wollowitz et al			
	6514987	2/4/03	Cook et al			
	6544727	4/8/03	Hei			
	6565802	5/20/03	Hanley et al			
	6576201	6/10/03	Wollowitz et al			
	6586749	7/1/03	Cimino et al			
	6596230	7/22/03	Wollowitz et al			
	6680025	1/20/04	Hearst et al			
SH	6686480	2/3/04	Wollowitz et al			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
EXAMINER R INITIAL	DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
SH	EP 0066886	08.06.82	EP				
	EP 0108588	5/1984	EP				
	EP 0124363	27.04.84	EP				
	EP 0184331	11.06.86	EP				
	EP 0196515	13.03.86	EP				
	EP 0491757	08.09.90	EP				
	EP 0510185	11.12.96	EP				
	EP 0510185	12/1996	EP				
	EP 0525 138	20.12.91	EP				
	EP 0590514	4/1994	EP				
	EP 0679398	02.11.95	EP				
	EP 0754461	1/1997	EP				
	EP 0801072	15.10.97	EP				
	FR2674753	09.10.92	FR				
	FR2715303	28.07.95	FR				
	FR2718353	13.10.95	FR				
	GB2034463	6/1980	UK				
	WO00/04930	2/3/00	PCT				
	WO00/11946	09.03.00	PCT				
	WO01/28599	4/26/01	PCT				
SH	WO02/02153	1/10/02	PCT				

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Sheet 10 of 14

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT Lockerble et al	
(Use several sheets if necessary)	FILING DATE August 25, 2003	GROUP 1743

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLISHE D DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATIO N
SH		WO02/30190	4/18/02	PCT			
		WO83/02328	7/1983	PCT			
		WO85/02116	5/1985	PCT			
		WO88/10087	29/12/88	PCT			
		WO89/06702	27.07.89	PCT			
		WO90/00059	11.01.90	PCT			
		WO90/10461	9/20/90	PCT			
		WO91/02529	07.03.91	PCT			
		WO92/08348	29.05.92	PCT			
		WO92/08349	29.05.92	PCT			
		WO92/11057	09.07.92	PCT			
		WO92/17173	09/10/92	PCT			
		WO94/07426	14.04.94	PCT			
		WO94/07499	14.04.94	PCT			
		WO95/02325	26.01.95	PCT			
		WO95/11028	27.04.95	PCT			
		WO95/12973	18.05.95	PCT			
		WO95/16348	22.06.95	PCT			
		WO96/14740	23.05.96	PCT			
		WO96/14741	23.05.96	PCT			
		WO97/07674	06.03.97	PCT			
		WO97/18844	5/1997	PCT			
		WO97/22245	26/6/97	PCT			
		WO97/36581	09.10.97	PCT			
		WO97/36634	09.10.97	PCT			
		WO98/22150	5/28/98	PCT			
		WO98/30545	16.07.98	PCT			
		WO98/31219	23.07.98	PCT			
		WO98/41087	9/1998	PCT			
		WO98/51147	11/1998	PCT			
SH		WO99/11305	11.03.99	PCT			

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)		
	International Search Report for corresponding application PCT/US01/17875	no date
	International Search Report for corresponding application PCT/US02/26770	no date
SH	Abdursashidova et al, "Polynucleotide-protein interactions in the translation system. Identification of proteins interacting with tRNA in the A- and P-sites of E. Coli ribosomes," 1979 <i>Nucleic Acids Res.</i> 6(12):3891-3909.	

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Sheet 11 of 14

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT Lockerbie et al	
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SH	Belikov et al, "Choice of an Effective Method of Analysis of Riboflavin and Stud of its Stability", DrugU, AN 1988, 37(2), Suppl. S26, 1988-39621.
	Benade et al, "Inactivation of free and cell-associated human immunodeficiency virus in platelet suspensions by aminomethyltrimethylpsoralen and ultraviolet light", <i>Transfusion</i> , vol. 34, no. 8, 1994, pp. 680-684.
	Brodie et al, "Mode of Action of Vitamin K in Microorganisms," 1966, <i>Vitam. Horm</i> 24:447-463.
	Budowsky et al, "Induction of polynucleotide-protein cross-linkages by ultraviolet irradiation," 1986, <i>Eur. J. Biochem.</i> 159:95-101.
	Budowsky et al, "Polynucleotide-Protein Cross-Links Induced by Ultraviolet Light and Their Use for Structural Investigation of Nucleoproteins," 1989, <i>Progress in Nucleic Acid Res. And Mol. Bio</i> 37:1-65
	Budowsky et al, "Preparation of cyclic 2',3'-monophosphates of oligoadenylates (A2'p)nA>p and A3'p(A2'p)n-1A>.p," 1994, <i>Eur. J. Biochem.</i> 220:97-104.
	Budowsky et al, "Principles of selective inactivation of viral genome. VIII, The influence of $\beta$ -propiolactone on immunogenic and protective activities of influenza virus," 1993, <i>Vaccine</i> 11(3):343-348
	Budowsky et al, "Principles of selective inactivation of viral genome. VI, Inactivation of the infectivity of the influenza virus by the action of $\beta$ -propiolactone," 1991, <i>Vaccine</i> 9:398-402.
	Budowsky et al, "Principles of selective inactivation of viral genome. VII, Some peculiarities in determination of viral suspension infectivity during inactivation by chemical agents," 1991, <i>Vaccine</i> 9:473-476
	Budowsky, EI, "Problems and Prospects for Preparation of Killed Antiviral Vaccines", 1991, <i>Adv. Virus Res.</i> 39:255-290
	Cadet et al., "Mechanisms and Products of Photosensitized Degradation of Nucleic Acids and Related Model Compounds," 1983, <i>Israel J. Chem.</i> 23:420-429
	Chow et al., "Recognition of G-U mismatches by tris(47-diphenyl-110-phenanthroline)rhodium(III)," 1992 <i>Biochemistry</i> 31(24):5423-5429
	Corash et al, "Use of 8-Methoxypsoralen and long wavelength ultraviolet radiation for decontamination of platelet concentrates", <i>Blood Cells</i> , 1992, 18:57-74.
	Corash, L, "Inactivation of Viruses, Bacteria, Protozoa, and Leukocytes in Platelet Concentrates", <i>Vox Sanguinis</i> , 1998; 74 (suppl. 2): 173-176.
	Deutsch, E. "Vitamin K in Medical Practice: Adults," 1966, <i>Vitam. Horm.</i> , 24:665-680
	Dodd et al, "Inactivation of Viruses in platelet suspensions that retain their in vitro characteristics: comparison of psoralen-ultraviolet A and merocyanine 540-visible light methods", <i>Transfusion</i> , vol. 31, no. 6, 1991, pp. 483-490.
	Dodd, RY, "Viral inactivation in platelet concentrates", <i>TCB</i> , 1994, 3:181-186.
	Ennever et al, "Short Communication Photochemical Reactions of Riboflavin: Covalent Binding to DNA and to Poly (dA)□Poly (dT)," 1983 <i>Pediatr. Res.</i> 17:234-236
	Friedman et al, "Reducing the Infectivity of Blood Components - What we have learned", 1995, <i>Immunological Investigations</i> 24 1&2: 49-71
	Gasparro, F.P., "Symposium-in-Print: Psoralen Photobiology: Recent Advances", <i>Photochemistry and Photobiology</i> , 1996, 63(5):553-557.
✓	Ghiron et al, "The Flavin-sensitized Photoinactivation of Trypsin," 1965, <i>Photochemistry and Photobiology</i> 4:13-26.
SH	Goodrich et al, "The design and development of selective, photoactivated drugs for sterilization of blood

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SH	products," 1997, <i>Drugs of the Future</i> 22(2):159-171
	Hanson, C.V., "Photochemical Inactivation of Viruses with Psoralens: An Overview", <i>Blood Cells</i> , 1992, 18:7-25.
	Hanson, CV, "Photochemical Inactivation of Deoxyribonucleic and Ribonucleic Acid Viruses by Chlorpromazine", <i>Antimicrob. Agent Chemother.</i> , 1979, 15(3), pp. 461-464.
	Hei et al, "Elimination of cytokine production in stored platelet concentrate aliquots by photochemical treatment with psoralen plus ultraviolet A light", <i>Transfusion</i> , vol. 39, 1999, pp. 239-248.
	Heinmets et al, "Inactivation of Viruses in Plasma by Photosensitized Oxidation", Walter Reed Army Institute of Research, November 1955, pp. 1-16.
	Hoffmann et al "DNA Strand Breaks in mammalian Cells Exposed to Light in the Presence of Riboflavin and Tryptophan," <i>Photochemistry and Photobiology</i> , Vol. 29 pp. 299-303 (1979).
	Hogman, Claes, "Leucocyte Depletion of Blood Components", p. 1-4.
	Isaacs et al, "Synthesis and Characterization of New Psoralen Derivatives with Superior Photoreactivity with DNA and RNA", <i>Biochemistry</i> , vol. 16, no. 6, 1977, pp. 1058-1064.
	Ivanchenko et al, "The photochemistry of purine components of nucleic acids. I. The efficiency of photolysis of adenine and guanine derivatives in aqueous solution," 1974, <i>Nucleic Acids Res.</i> 2(8):1365-1373.
	Joshi, P.C., "Comparison of the DNA-damaging property of photosensitized riboflavin via singlet oxygen ( $^1O_2$ ) and superoxide radical ( $O_2^-$ ) mechanisms," (1985) <i>Toxicology Letters</i> 26:211-217
	Kabuta et al. (1978), "Inactivation of viruses by dyes and visible light," <i>Chem. Abstracts</i> 87(1), Abstract no. 400626
	Kale et al. (1992), "Assessment of the genotoxic potential of riboflavin and lumiflavin; B. Effect of light," <i>Mutation Res.</i> 298:17-23
	Klebanoff et al, "The risk of Childhood Cancer after Neonatal Exposure to Vitamin K," 1993, <i>New Eng. J. Med.</i> 329(13):905-908
	Kobayashi et al. (1983), "The molecular mechanism of mutation. Photodynamic action of flavins on the RNA-synthesizing system," <i>Chem. Abstracts</i> 98(1), Abstract no. 1200
	Korycka et al, "Photodegradation of DNA with fluorescent light in the presence of riboflavin, and photoprotection by flavin triplet-state quenchers," (1980) <i>Biochimica et Biophysica Acta</i> 610:229-234
	Kovalsky et al, "Laser (Two-Quantum) Photolysis of Polynucleotides and Nucleoproteins: Quantitative Processing of Results," 1990 <i>Photochemistry and Photobiology</i> 5(6):659-665
	Kuratomi et al, "Studies on the Interactions Between DNA and Flavins," (1977) <i>Biochimica et Biophysica Acta</i> 476:207-217
	Leontis et al, "The 5SrRNA loop E: Chemical probing and phylogenetic data versus crystal structure", 1998, <i>RNA</i> 4:1134-1153
	Lim et al, "Chemical probing of tDNA <sup>Ph</sup> with transition metal complexes: a structural comparison of RNA and DNA," 1993, <i>Biochemistry</i> 32:11029-11034.
	Lin et al, "Use of 8-Methoxypsoralen and Long-Wavelength Ultraviolet Radiation for Decontamination of Platelet Concentrates", <i>Blood</i> , vol. 74, no. 1, 1989, pp. 517-525.
	Maddox, J., "The working of vitamin K," (1991) <i>Nature</i> 353(6346):695
V	Malik et al, "New Trends in Photobiology - Bactericidal Effects of Photoactivated Porphyrins - an Alternative Approach to Antimicrobial Drugs," <i>J. Photochem. Photobiol. Pt. B: Biology</i> , 1990, V:281-293.
SH	Matthews et al., "Photodynamic therapy of viral contaminants with potential for blood banking applications."

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SH	(1988) <i>Transfusion</i> 28(1):81-83
	McCord, EF, "Chemically induced dynamic nuclear polarization studies of yeast", 1984, <i>Biochemistry</i> 23:1935-1939
	Merenstein et al, (Vitamin K ad Hoc Task Force), "Controversies concerning vitamin K and the newborn, " 1993, <i>Pediatrics</i> 90(5):1001-1005
	Merrifield et al, "Vitamin K as a fungistatic agent," 1965, <i>Appl. Microbio.</i> 13(5):660-662
	Merrifield et al, "Factors affecting the antimicrobial activity of Vitamin K5," 1965, <i>Appl. Microbio.</i> 13(5):766-770
	Moroff et al, "Factors Influencing Virus Inactivation and Retention of Platelet Properties Following Treatment with Aminomethyltrimethylpsoralen and Ultraviolet A Light", <i>Blood Cells</i> , 1992, 18:43-56.
	Murata et al., "Effect of vitamins other than vitamin C on viruses: virus-inactivating activity of vitamin K5" (1983) <i>J. Nutr. Sci. Vitaminol (Tokyo)</i> 29(6):721-724
	Naseem et al., "Effect of alkylated and intercalated DNA on the generation of superoxide anion by riboflavin," (1988) <i>Bioscience Reports</i> 8(5):485-492
	North et al, "Photosensitizers as Virucidal Agents", <i>J. Photochem. Photobiol.</i> , 1993, 17(2), pp. 99-108
	Peak et al., "DNA Breakage Caused by 334-nm Ultraviolet Light is Enhanced by Naturally Occurring Nucleic Acid Components and Nucleotide Coenzymes," 1984 <i>Photochemistry and Photobiology</i> 39(5):713-716
	Piette et al., "Alteration of Guanine Residues During Proflavine Mediated Photosensitization of DNA," (1981) <i>Photochemistry and Photobiology</i> 33:325-333
	Piette et al., "Production of Breaks in Single- and Double-Stranded Forms of Bacteriophage $\phi$ X174 DNA by Proflavine and Light Treatment," (1979) <i>Photochemistry and Photobiology</i> 30:369-378
	Pratt et al, "Vitamin K5 as an Antimicrobial Medicament and Preservative", 1950, <i>J. Am. Pharm. Assn</i> 39(3):127-134.
	Prodouze et al, "Effects of Two Viral Inactivation Methods on Platelets: Laser-UV Radiation and Merocyanine 540-Mediated Photoinactivation", <i>Blood Cells</i> , 1992, 18:101-116.
	Prodouze et al, "Inhibition by albumin of merocyanine 540-mediated photosensitization of platelets and viruses", <i>Transfusion</i> , vol. 31, no. 3, 1991, pp. 415-422.
	Product Advertisement for "Ultracure 100SS Plus Specifications," EFOS USA, Williamsville, NY, USA
	Ramu et al, "The Riboflavin-Mediated Photooxidation of Oxorubicin", <i>Cancer Chemother. Pharmacol</i> , 2000, 46(6), 449-458.
	Reinhardt et al, "Virucidal activity of retinal," <i>Antimicrobial Agents and Chemotherapy</i> 16:3, Sep 1979 (1979-09), p. 421-423.
	Schwartzman, G., "Antibacterial Properties of 4-Amino-2-Methyl-1-Naphthol Hydrochloride," 1948, <i>Proc. Soc. Exp. Biol. Med.</i> 67:376-378
	Simukova et al, "Conversion of Non-covalent Interactions in Nucleoproteins into Covalent Bonds: UV-Induced Formation of Polynucleotide-Protein Crosslinks in Bacteriophage Sd Virions," 1974, <i>FEBS Letters</i> 38(3):299-303
	Speck et al., "Further Observations on the Photooxidation of DNA in the Presence of Riboflavin," (1976) <i>Biochimica et Biophysica Acta</i> 435:39-44
✓	Spranger, J. "Does vitamin K cause cancer?" 1993, <i>Eur. J. Pediatr.</i> 152(2):174
SH	Stassinopoulos et al, "Helinx Technology, Utilized in the Intercept Blood System, Effectively Inactivates <i>Deinococcus radiodurans</i> , a Bacterium with Highly Efficient DNA Repair", Abstract presented at the 44 <sup>th</sup>

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SH	Annual Meeting of the American Society of Hematology, 2002, <i>Blood</i> 100(11)(part 2 of 2): pg 708a, 2002, Abstract #2790.
	Tsugita. et al., "Photosensitized inactivation of ribonucleic acids in the presence of riboflavin," (1965) <i>Biochim. Biophys. Acta</i> 103:360-363
	Uehara et al, "Effect of adenine on the riboflavin-sensitized photoreaction. II. Effect of adenine on the photodynamic inactivation of transforming deoxyribonucleic acid in the presence of riboflavin", 1972, <i>J Biochemistry</i> , 71:5, 805-810.
	Uehara et al, "Effect of adenine on the riboflavin-sensitized photoreaction. I. Effect of adenine on the photodynamic inactivation of yeast alcohol dehydrogenase in the presence of riboflavin," <i>J. Vitaminology</i> , 17:3, 1971, 148-154.
	Vest, M., "Vitamin K in medical practice; pediatrics," 1966, <i>Vitami. Horm.</i> 24:649-663
	Way et al, "HPLC Analysis of Riboflavin and its Photodegradation Products in an Intravenous Infusions Formulation", <i>Pharm. Res.</i> , 7(9), Suppl, S26, <i>DrugU, AN</i> 1991-11544.
	Webb et al, "Mutagenesis in <i>Escherichia coli</i> by Visible Light," 1967, <i>Science</i> 156:1104-1105
SH	Yang et al, "Vitamin K5 as a Food Preservative," 1958 <i>Food Technology</i> 501-504.

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